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IN THE CLAIMS**BEST AVAILABLE COPY**

Please amend Claims 1 – 8 as follows:

1. (Currently Amended) An adhesive suitable for making a electrically conductive connection to a material or system which is operated at a temperature greater than 300° Celsius, wherein said adhesive comprises a sol-gel precursor and one or more metal particles and the sol-gel precursor comprises hybrid sol-gel materials consisting of methyltri(m)ethoxysilane, phenyltri(m)ethoxysilane, or diphenyldi(m)ethoxysilane and wherein non-conductive particles with a size less than 1/10 of the size of the metal particles are incorporated.
2. (Cancelled) Adhesive according to claim 1, characterized in that the adhesive is based on a sol-gel precursor and metal particles.
3. (Cancelled) Adhesive according to claim 1, characterized in that the sol-gel precursor comprises hybrid sol-gel materials based on methyltri(m)ethoxysilane, phenyltri(m)ethoxysilane, and/or diphenyldi(m)ethoxysilane.
4. (Previously Presented) Adhesive according to claim 1, characterized in that the metal particles comprise silver particles or silver alloy particles.
5. (Cancelled) Adhesive according to claim 1, wherein non-conductive particles with a size less than 1/10 of the size of the metal particles are incorporated.
6. (Cancelled) Adhesive according to claim 1, wherein non-conductive particles with a size less than 1/20 of the size of the metal particles are incorporated.

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7. (Previously Presented) Object provided with an adhesive according to claim 1, characterized in that the thickness of the adhesive is at least 100 μm .
8. (Previously Presented) An electrical domestic appliance comprising an adhesive according to claim 1, characterized in that the electrical domestic appliance comprises a (steam) iron, ironing device, hair dryer, hair styler, steamer or steam cleaner, garment cleaner, heated ironing board, facial steamer, kettle, pressurized boiler for system irons and cleaners, coffee maker, deep fat fryer, rice cooker, sterilizer, hot plate, hot-pot, grill, space heater, waffle iron, toaster, oven, or water flow heater.
9. (New) An adhesive suitable for making a electrically conductive connection to a material or system which is operated at a temperature greater than 300° Celsius, wherein said adhesive comprises a sol-gel precursor and one or more metal particles and the sol-gel precursor comprises hybrid sol-gel materials consisting of methyltri(m)ethoxysilane, phenyltri(m)ethoxysilane, or diphenyldi(m)ethoxysilane and wherein non-conductive particles with a size less than 1/20 of the size of the metal particles are incorporated.
10. (New) Adhesive according to claim 9, characterized in that the metal particles comprise silver particles or silver alloy particles.
11. (New) Object provided with an adhesive according to claim 9, characterized in that the thickness of the adhesive is at least 100 μm .

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12. (New) An electrical domestic appliance comprising an adhesive according to claim 9, characterized in that the electrical domestic appliance comprises a (steam) iron, ironing device, hair dryer, hair styler, steamer or steam cleaner, garment cleaner, heated ironing board, facial steamer, kettle, pressurized boiler for system irons and cleaners, coffee maker, deep fat fryer, rice cooker, sterilizer, hot plate, hot-pot, grill, space heater, waffle iron, toaster, oven, or water flow heater.